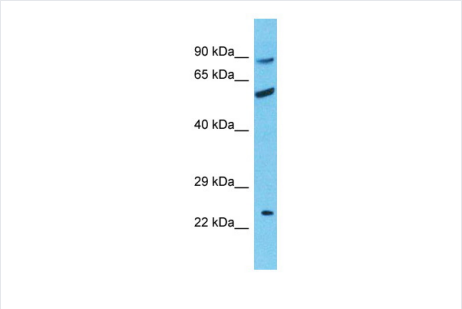
RHCE Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RHCE, Polyclonal Antibody
Full Product Name	RHCE Antibody - middle region
Product Gene Name	anti-RHCE antibody
Immunogen Sequence	Synthetic peptide located within the following region: VAWCLPKPLP KGTEDNDQRA TIPSLSAMLG ALFLWMFWPS VNSPLLRSPI
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity Purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RHCE peptide (MBS3231410) is used for blocking the activity of RHCE antibody (MBS3206445)
Molecular Weight	26kDa
OMIM	111690
3D Structure	ModBase 3D Structure for P18577
Homology	Human: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of Human RHCE
Product Categories/Family for anti-RHCE antibody	Polyclonal; Signal Proteins; Membrane Protein; Immunology; Signal Transduction; Disease Related; DNA/RNA/Protein Interactions; Tissue Specific & Cell Marker
Applications Tested/Suitable for anti-RHCE antibody	Western Blot (WB)
Related Product Information for anti-RHCE antibody	This is a rabbit polyclonal antibody against RHCE. It was validated on Western Blot Target Description: The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene which encodes both the RhC and RhE antigens on a single polypeptide and a second gene which encodes the RhD protein. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. A mutation in this gene results in amorph-type Rh-null disease.
Other Notes	Small volumes of anti-RHCE antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RHCE purchase	MBS3206445 is an antibody targeting RHCE. Also known as RHCE Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RHCE antibody
Host: RabbitTarget Name: RHCESample Type: Uterus Tumor lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RHCE. It may not necessarily be applicable to this product.

NCBI GI #	301129227
NCBI GeneID	6006
NCBI Accession #	NP_065231.3
UniProt Primary Accession #	P18577
UniProt Related Accession #	P18577
GenBank Nucleotide #	NM_020485.5
NCBI Official Full Name	blood group Rh(CE) polypeptide isoform 1
NCBI Official Synonym Full Names	Rh blood group CcEe antigens
NCBI Official Symbol	RHCE
NCBI Official Synonym Symbols	RH; RHC; RHE; Rh4; RHNA; RHPI; RhVI; RH30A; RHIXB; RhVIII; CD240CE; RhIVb(J); RHCe(152N)
UniProt Protein Name	Blood group Rh(CE) polypeptide
UniProt Synonym Protein Names	Rh polypeptide 1; RhPI; Rh30A; RhIXB; Rhesus C/E antigens; CD_antigen: CD240CE
Protein Family	Blood group Rh(CE) polypeptide
UniProt Gene Name	RHCE
UniProt Synonym Gene Names	RHC; RHE; RhPI
UniProt Entry Name	RHCE_HUMAN
NCBI Protein Information	blood group Rh(CE) polypeptide
NCBI Summary for RHCE	The Rh blood group system is the second most clinically significant of the blood groups, second only to ABO. It is also the most polymorphic of the blood groups, with variations due to deletions, gene conversions, and missense mutations. The Rh blood group includes this gene which encodes both the RhC and RhE antigens on a single polypeptide and a second gene which encodes the RhD protein. The classification of Rh-positive and Rh-negative individuals is determined by the presence or absence of the highly immunogenic RhD protein on the surface of erythrocytes. A mutation in this gene results in amorph-type Rh-null disease. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Aug 2016]

UniProt Comments for RHCE	RHCE: May be part of an oligomeric complex which is likely to have a transport or channel function in the erythrocyte membrane. Belongs to the ammonium transporter (TC 2.A.49) family. Rh subfamily. 14 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 1p36.11 Cellular Component: integral to plasma membrane Molecular Function: ammonium transmembrane transporter activity Disease: Blood Group--rhesus System E Polypeptide
Research Articles on RHCE	**1.** Among the weak D phenotypes in Tunisia, no novel RHD allele was found and almost 90% were caused by alleles of the weak D Type 4 cluster, of which 88% represented the weak D Type 4.0 allele. Based on established RH haplotypes for variant RHD and RHCE alleles and the lack of adverse clinical reports, we recommend D+ transfusions for patients with weak D Type 4.0 in Tunisia.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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